



Lesson: Place Value

Name: _____

Teacher: _____

Date: _____

Place Value Worksheet

MA.7.NSO.2.1 • Whole Numbers, Decimals, and Fractions

Part A – Whole numbers

#	Problem	Work / Answer
1	What is the value of 6 in 3,672?	_____
2	What is the value of 5 in 5,483?	_____
3	What is the value of 2 in 12,409?	_____

Part B – Decimals

#	Problem	Work / Answer
4	Which is greater: 0.8 or 0.08? Explain with tenths and hundredths.	_____
5	Which is greater: 0.6 or 0.06? Explain with place value.	_____
6	What is the value of 7 in 0.72?	_____

Part C – Fractions

#	Problem	Work / Answer
7	Which is greater: $\frac{1}{5}$ or $\frac{1}{10}$? Explain by thinking about the size of the pieces.	_____
8	Which is greater: $\frac{1}{4}$ or $\frac{1}{8}$? Explain.	_____



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9 Write $1/10$ as a decimal.

10 Write $1/100$ as a decimal.

Challenge: Which is greater: 0.507 or 0.57? Explain using place value.

Sentence frame: _____ is greater because _____.



Answer Key

Place Value Worksheet • MA.7.NSO.2.1

Use short explanations so the student hears the place value words while reviewing answers.

Problem	Answer
1	600 — the 6 is in the hundreds place.
2	5,000 — the 5 is in the thousands place.
3	2,000 — the 2 is in the thousands place.
4	0.8 is greater because 8 tenths is more than 8 hundredths.
5	0.6 is greater because 6 tenths is more than 6 hundredths.
6	0.7 — the 7 is in the tenths place.
7	$\frac{1}{5}$ is greater because the whole is cut into fewer pieces, so each piece is bigger.
8	$\frac{1}{4}$ is greater because fourths are larger pieces than eighths.
9	0.1
10	0.01
Challenge	0.57 is greater than 0.507 because 57 hundredths is more than 507 thousandths.